Massachusetts Bay Transportation Authority

Safety Updates

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MBTA Safety, Health and Environment Subcommittee

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Discussion Topics

- Safety Performance Indicators and Key Metrics - March 2025 and April 2025
- Recent Incidents and Corrective Actions

March SPIs and Key Metrics

Safety Performance Indicators – Blue Line March 2025

Performance Indicator Rate	Blue Target	Blue Actual
Customer Injuries		7.95
Collisions	0.51	0.00
Collisions with Vehicle	0.00	0.00
Collisions with Object		0.00
Collisions with Person	0.37	0.00
Collisions with T Vehicle		0.00
Total Reportable Smoke/Fire Incidents		2

- 3 Customer Injuries on the Blue Line in March

Safety Performance Indicators – Orange Line March 2025

Performance Indicator Rate	Orange Target	Orange Actual
Customer Injuries		15.88
Collisions	0.51	0.00
Collisions with Vehicle	0.00	0.00
Collisions with Object		0.00
Collisions with Person	0.37	0.00
Collisions with T Vehicle		0
Total Reportable Smoke/Fire Incidents		2

- 10 Customer Injuries on the Orange Line in March

Safety Performance Indicators – Red Line
March 2025

Performance Indicator Rate	Red Target	Red Actual
Customer Injuries		10.83
Collisions	0.51	0.00
Collisions with Vehicle	0.00	0.00
Collisions with Object		0.00
Collisions with Person	0.37	0.00
Collisions with T Vehicle		0.00
Total Reportable Smoke/Fire Incidents		0

- 11 Customer Injuries on the Red Line in March

Safety Performance Indicators – Green Line (Light Rail) March 2025

Performance Indicator Rate	Green Target	Green Actual
Customer Injuries		5.14
Collisions	2.75	1.71
Collisions with Vehicle	1.55	0.00
Collisions with Object		0.00
Collisions with Person	0.92	0.00
Collisions with T Vehicle		0.00
Total Reportable Smoke/Fire Incidents		4

- 3 Customer Injuries
- 1 Train-on-Train Collision

The collision did not result in any injuries

Safety Performance Indicators – Bus
March 2025

Performance Indicator Rate	Bus Target	Bus Actual
Customer Injuries		5.53
Collisions	4.36	3.87
Collisions with Vehicle	3.69	3.32
Collisions with Object		0.00
Collisions with Person	1.62	0.55
Collisions with T Vehicle		0.00
Total Reportable Smoke/Fire Incidents		0

- 10 Customer Injuries
- 6 Collisions with a Vehicle
- 1 Collision with a Person

Safety Performance Indicators – Commuter Rail March 2025

Performance Indicator Rate	CR Target	CR Actual
Passenger Injuries	3.08	2.45
Collisions	3.28	0.00
Derailments (Main Line)	0.15	0.00
NTD Reportable Security Events	5.45	7.35

- All targets calculated as a rate per 1M revenue miles.
- There was 1 Reportable Passenger Injury in March when a passenger fell de-training at Billerica Station.
- There were 3 Reportable Security Events involving Assaults on Transit Workers, an increase of 1 from February.

Safety Performance Indicators – Ferry
March 2025

Performance Indicator Rate	Ferry Target	Ferry Actual
Passenger Injuries	3.44	0.00
NTD Reportable Safety Events	8.00	0.00
Revenue Groundings	0.00	0.00

- All targets calculated as a rate per 1M revenue miles.
- There were no Reportable Injuries or Events.

April SPIs and Key Metrics

Safety Performance Indicators – Blue Line
April 2025

Performance Indicator Rate	Blue Target	Blue Actual
Customer Injuries		0.00
Collisions	0.51	0.00
Collisions with Vehicle	0.00	0.00
Collisions with Object		0.00
Collisions with Person	0.37	0.00
Collisions with T Vehicle		0.00
Total Reportable Smoke/Fire Incidents		0

- 0 events on the Blue Line in April

Safety Performance Indicators – Orange Line
April 2025

Performance Indicator Rate	Orange Target	Orange Actual
Customer Injuries		7.53
Collisions	0.51	3.01
Collisions with Vehicle	0.00	0.00
Collisions with Object		0.00
Collisions with Person	0.37	3.01
Collisions with T Vehicle		0
Total Reportable Smoke/Fire Incidents		1

- 5 Customer Injuries
- 2 Collisions with Person

Safety Performance Indicators – Red Line
April 2025

Performance Indicator Rate	Red Target	Red Actual
Customer Injuries		8.38
Collisions	0.51	0.93
Collisions with Vehicle	0.00	0.00
Collisions with Object		0.93
Collisions with Person	0.37	0.00
Collisions with T Vehicle		0.00
Total Reportable Smoke/Fire Incidents		3

- 9 Customer Injuries
- 1 Collision with an Object

Safety Performance Indicators – Green Line (Light Rail)
April 2025

Performance Indicator Rate	Green Target	Green Actual
Customer Injuries		14.27
Collisions	1.21	1.78
Collisions with Vehicle	1.55	1.78
Collisions with Object		0.00
Collisions with Person	0.69	0.00
Collisions with T Vehicle		0.00
Total Reportable Smoke/Fire Incidents		2

- 8 Customer Injuries
- 1 Train-on-Train Collision

No injuries as a result of the collision

Safety Performance Indicators – Bus
April 2025

Performance Indicator Rate	Bus Target	Bus Actual
Customer Injuries		12.92
Collisions	4.36	6.18
Collisions with Vehicle	3.69	3.93
Collisions with Object		0.56
Collisions with Person	0.62	1.12
Collisions with T Vehicle		0.56
Total Reportable Smoke/Fire Incidents		2

- 23 Customer Injuries
- 7 Collisions with a Vehicle
- 1 Collision with an Object
- 2 Collisions with Person
- 1 Bus-on-Bus Collision

Safety Performance Indicators – Commuter Rail
April 2025

Performance Indicator Rate	CR Target	CR Actual
Passenger Injuries	3.08	0.00
Collisions	3.28	4.74
Derailments (Main Line)	0.15	0.00
NTD Reportable Security Events	5.45	11.84

- All targets calculated as a rate per 1M revenue miles.
- There were 2 Grade Crossing Collisions in April.
- There were 5 Reportable Security Events involving Assaults on Transit Workers, an increase from last month.
- There were no reportable passenger injuries or main line derailments.

Safety Performance Indicators – Ferry
April 2025

Performance Indicator Rate	Ferry Target	Ferry Actual
Passenger Injuries	3.44	0.00
NTD Reportable Safety Events	8.00	0.00
Revenue Groundings	0.00	0.00

- All targets calculated as a rate per 1M revenue miles.
- There were no Reportable Injuries or Events for the second consecutive month.

Recent Incidents and Corrective Actions

Questions?